

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES CONSTRUCTING A HAZARD IDENTIFICATION BEACON FOR THE NB DIRECTION OF MD 272 (SOUTH MAULDIN AVENUE) APPROACHING RONEY AVENUE IN CECIL COUNTY. ONE 16.5 FT. POLE WITH A 15 FOOT "T" DIMENSION AND 60 FOOT MAST ARM CUT TO 38 FT. IS PROPOSED. MD 272 IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION.

INTERSECTION OPERATION

THE HIB WILL OPERATE IN FLASHING MODE WITH FLASHING YELLOW BEACONS ON MD 272 (SOUTH MAULDIN AVENUE) DURING PRE-EMPTION. ALL OTHER TIMES THE HIB WILL OPERATE IN DARK MODE.

CONTROLLER REQUIREMENTS

INSTALL A TYPE "G" CABINET WITH ALL NECESSARY EQUIPMENT.

PHONE DROP

THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT 410-787-7635 TO ARRANGE THE PHONE DROP LINE INSTALLATION. THE CONTRACTOR IS TO NOTIFY MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

THE CONTACT PERSONS FOR DISTRICT #2 ARE AS FOLLOWS:

Mr. Robert L. Kiel
Assistant District Engineer - Traffic
Phone: 410-810-3240

Mr. Barry Clothier
Assistant District Engineer - Utility
Phone: 410-810-3275

Mr. Terry O. Wright
Assistant District Engineer - Maintenance
Phone: 410-810-3250

Mr. Richard L. Daff
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Edward Rodenhizer
Chief, Signal Operations Division
Phone: 410-787-7652

The Power Company Representative is:
Connectiv
2 Center Drive
North East, MD 21201
Phone: 410-287-7176

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
9037	1 EA	[UPDATED] CABINET "G" TYPE POLE MOUNT
9571	70 SF	[UPDATED] SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN: W3-3(2) MOD. (168 IN. X 60 IN.), FY "PREPARE TO STOP WHEN FLASHING", WITH A W11-8, FIRE STATION (SYMBOL)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

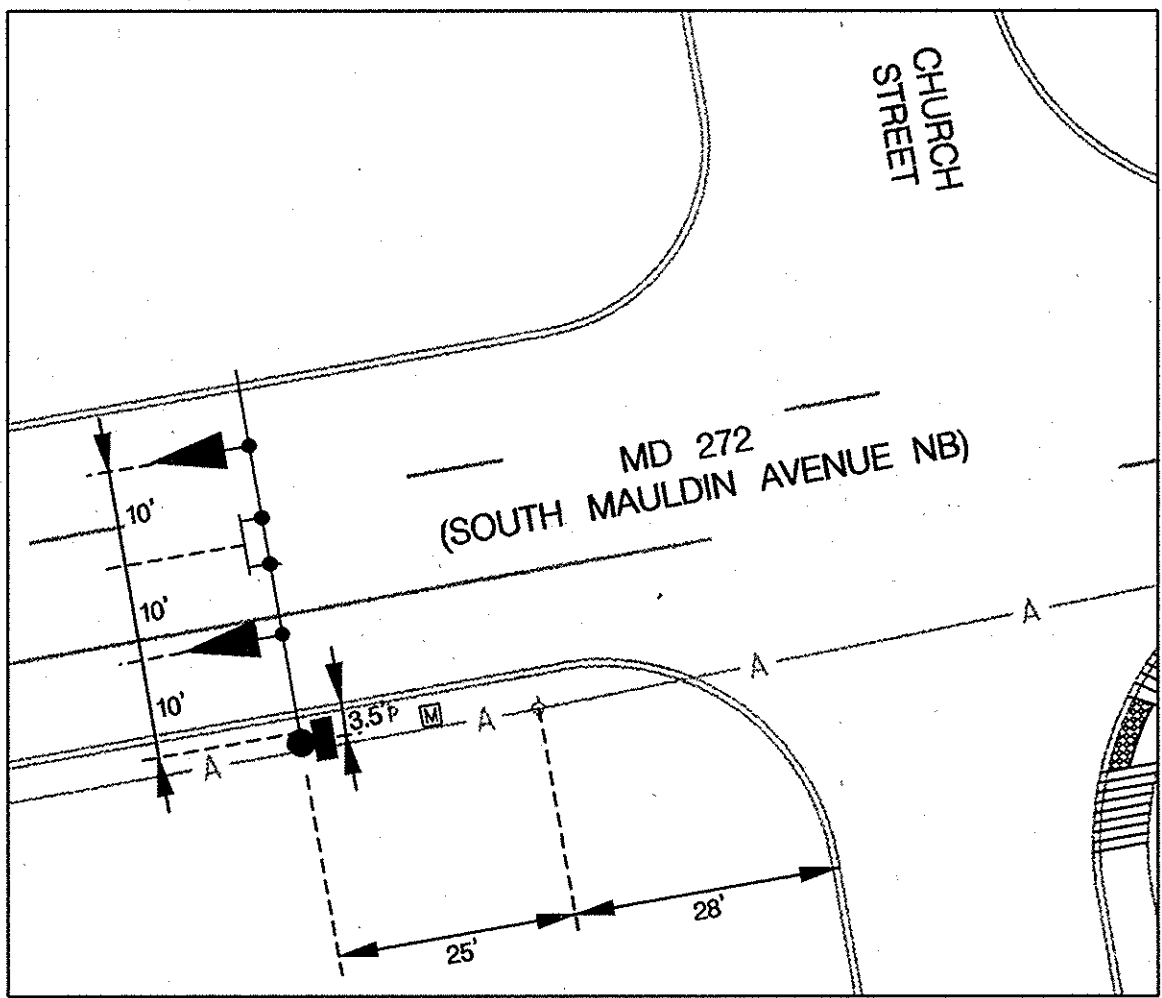
ITEM NO	QUANTITY	DESCRIPTION
NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR		

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
1001	2 EA	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EXCAVATION
6001	40 LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	1550 SF	4 INCH CONCRETE SIDEWALK
8001	2 EA	12 INCH LED SIGNAL HEAD SECTION (R,Y,G)
8017	1 EA	MAST ARM POLE & 60 FT. MAST ARM ANY "T" DIMENSION
8032	280 LF	FIREHOUSE PRE-EMPTION PUSHBUTTON, ASSOCIATED CONDUIT AND HARDWARE
8034	310 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8035	95 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - BORED
8037	35 SF	DETECTABLE WARNING SURFACES
8038	70 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8040	660 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8042	1 EA	METERED SERVICE PEDESTAL EMBEDDED
8046	6 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8051	1 EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8053	1600 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8055	85 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8063	1 EA	INSTALL CONTROLLER AND CABINET - POLE MOUNT

SIGNAL POLE DETAIL LAYOUT

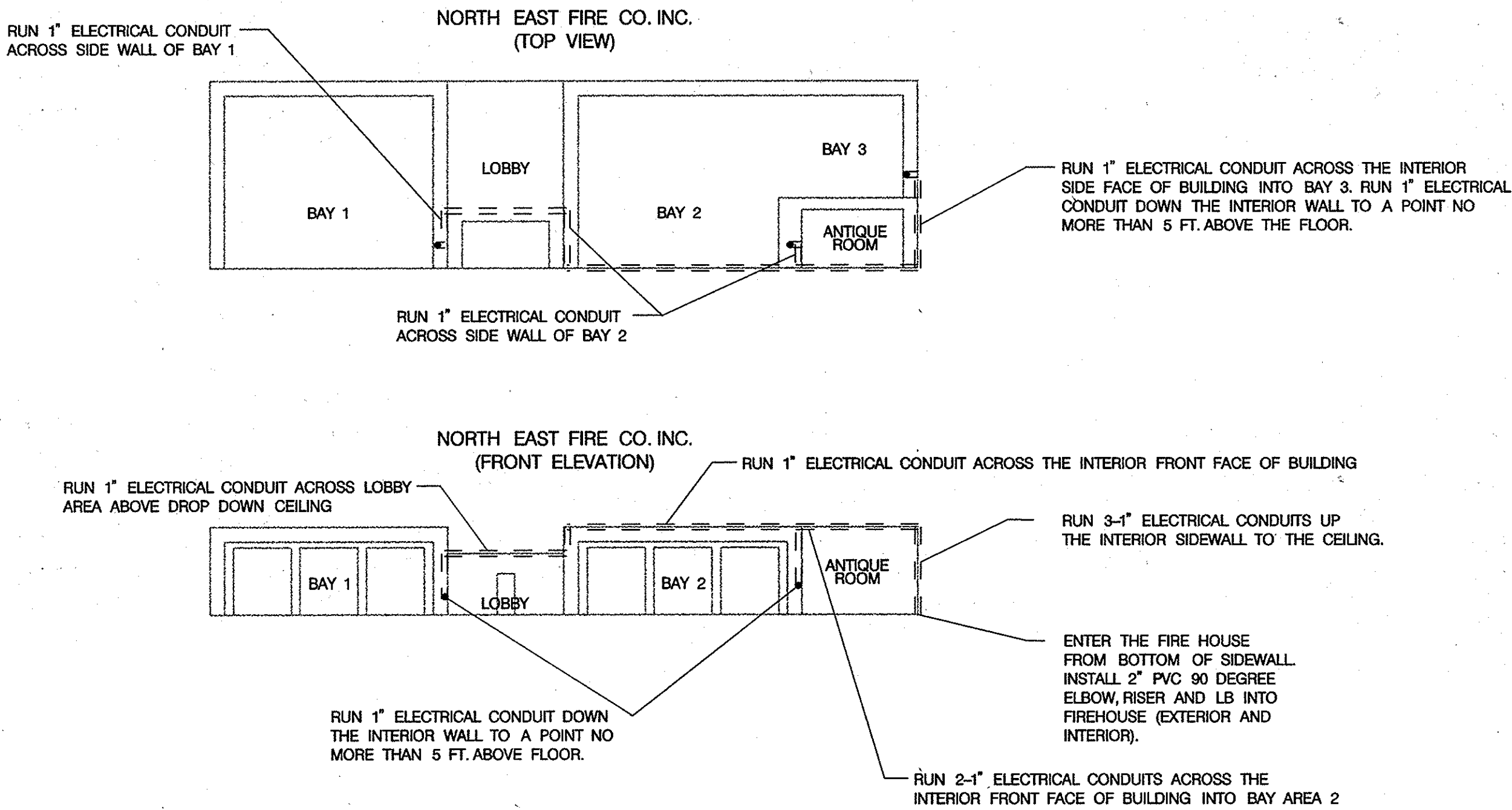


PHASE CHART

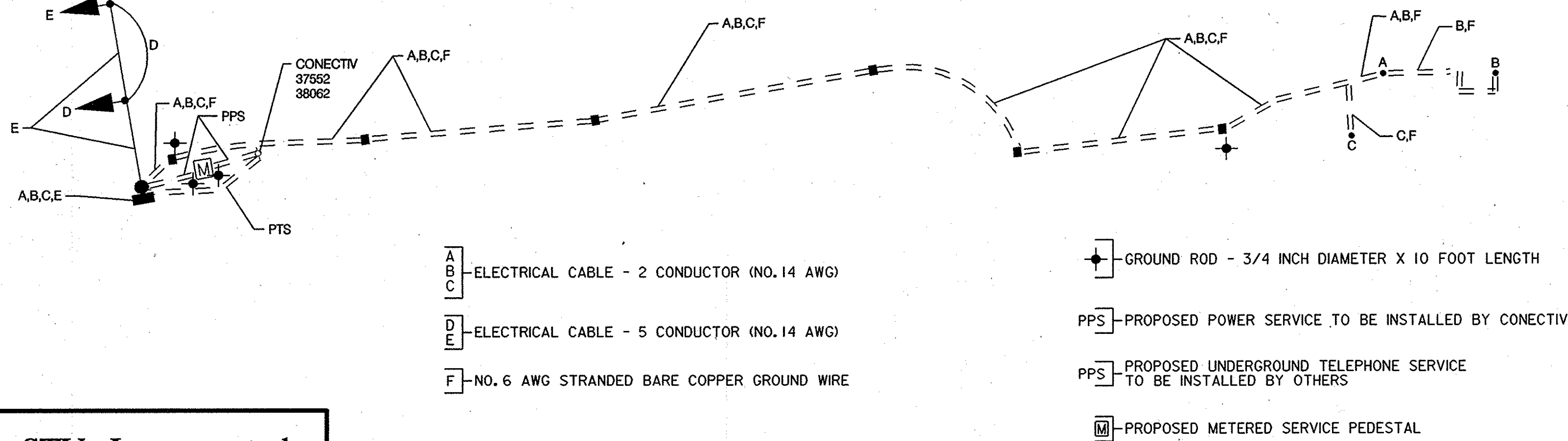
	1	2	
	(Y)	(Y)	
PRE-EMPTION OPERATION	FL/Y	FL/Y	→
OTHER OPERATION	DARK	DARK	

PRE-EMPTION PUSHBUTTON DETAIL

(NOT TO SCALE)



WIRING DIAGRAM



TOD NO: AT909-14
SHA No.: CE366A54/CS4
MD 272 @ Roney Avenue

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 272 (SOUTH MAULDIN AVENUE)
AT RONEY AVENUE

GENERAL INFORMATION

SCALE	NONE	DATE	01/2007	CONTRACT NO.	AT9095185
DESIGNED BY	MCG	COUNTY	CECIL		
DRAWN BY	MCG	LOGMILE	07027211.26		
CHECKED BY	BAB	T.I.M.S. NO.	H885		
F.A.P. NO.		TOD NO.			
DRAWING NO.	TS - 4545	OF		SHEET NO.	2 OF 2

PLOTTED: WEDNESDAY, JANUARY 10, 2007 AT 04:24 PM
FILE: I:\PROJECTS\0312513\0312513_0027\DRAWINGS\TRAFFIC\PSG-P002.MD272.DGN

STV Incorporated
engineers/architects/planners/construction managers
7125 Ambassador Road, Baltimore, MD 21244-2722 (410) 944-9112

BY: SHAPSB